

## INVERTER BASED MULTI-PROCESS WELDING MACHINE MODEL COMBO-403 I / 503 I

COMBO series machines are multi process machine with CC / CV characteristics. These machines use advanced soft-switching IGBT based inverter technology. They are widely used for GMAW/FCAW welding and SAMW welding in acid and Basic electrodes. They can also be used for GTAW (Scratch start) in all metals except Al, Mg and its alloys.

### Features

- Advanced Soft Switching technology.
- Synergic Mode available.
- Spot/ Stitch welding Time can be set.
- Inductance control
- 2/4 step function
- Easy arc striking, less spatter stable current and excellent welding characteristics.
- Higher operating frequency and hence low volume and weight.
- Excellent arc voltage and current feedback circuit.
- 100% Duty cycle and suitable for heavy industrial use.
- Higher efficiency and better power factor.
- Higher Open Circuit Voltage.
- Digital Microprocessor based.
- Flux/Solid core selection
- Pre flow, Post flow of gas can be set
- Crator fill function

### Basic Outfits

Power Source with Wheels, Wire Feeder with interconnection cable, MIG welding Torch, Regulator flow meter with Pre heater

**Note : Package with Scope of Supply other than above is available on request.**

### Technical Specifications

Model	COMBO-403 i	COMBO 503 i
Rated Input Voltage	380 ~ 440 Volts 3 Phase 50 Hz	380 ~ 440 Volts 3 Phase 50 Hz
Input Power (KVA)	18.4	26.5
Output Voltage Range (GMAW)	14 ~ 40	14 ~ 50
Welding Current Range (A)	40- 400 (GMAW)	60 ~ 500 (GMAW)
	40 ~ 400 (SMAW)	60 ~ 500 (SMAW)
Duty Cycle (%)	100%(40° C and 10 Min)	100%(40° C and 10 Min)
Full Load Efficiency(%)	89%	89%
Power Factor	0.9	0.9
Weight (kg)	41	44
Dimensions (LxWxH) mm	600 X 300 X 560	600 X 300 X 560
Insulation Grade	H	H
Wire Feeder		
Wire Feed Speed(m/min)	1.3 ~21m/min	1.3~21m/min
Torch Connection	EURO type	EURO type
Motor Type	Print Motor	Print Motor
Wire Feed	Four Roll Drive	Four Roll Drive
Weight	10 Kg	10 Kg

Specifications may subject to change without notice.

